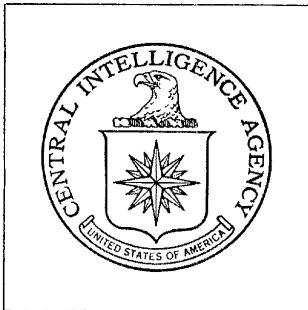


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DIRECTORATE OF
INTELLIGENCE

Industrial Facilities
(Non-Military)

Basic Imagery Interpretation Brief

Mao-ming Thermal Power Plant Refinery

Mao-ming, China

25X1A



DECLASS REVIEW by NIMA/DOD

*Handle via Talent - Keyhole
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BCS 13/0281/69
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DATE MAY 1969
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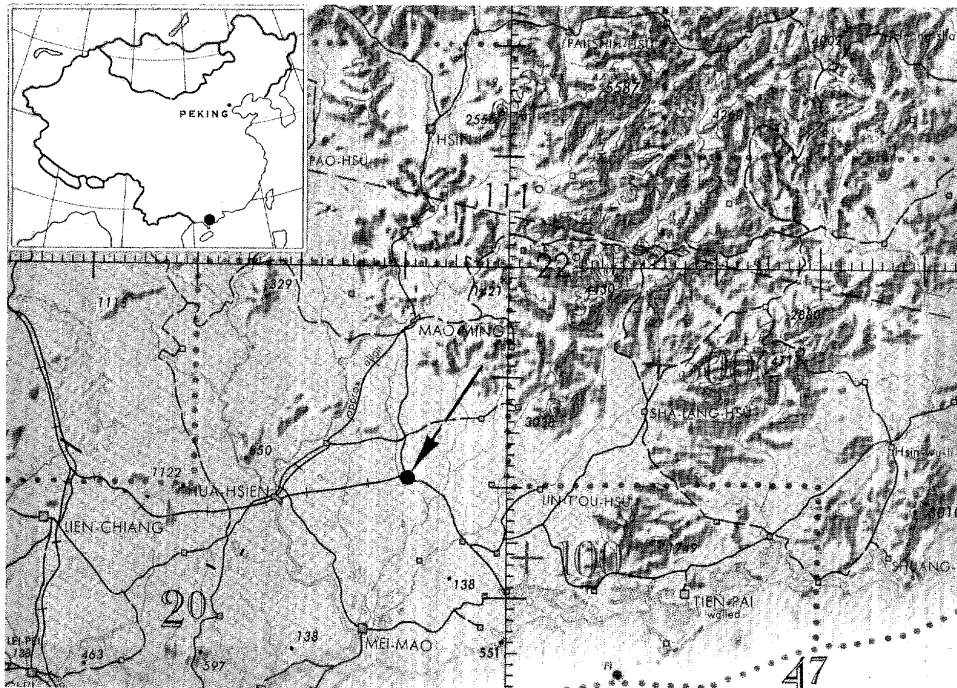
CENTRAL INTELLIGENCE AGENCY
Directorate of Intelligence
Imagery Analysis Service

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INSTALLATION OR ACTIVITY NAME		COUNTRY
Mao-ming Thermal Power Plant Refinery		CH 25X1A
UTM COORDINATES	GEOGRAPHIC COORDINATES	WAC-PIC NO.
49QDP868975	21-40-47N 110-52-20E	0615-57
MAP REFERENCE		
ACIC. USATC Series 200, Sheet M0615-14HL, 3rd edition, Mar 67, Scale 1:200,000 (SECRET NO FOREIGN DISSEM [REDACTED] /CONTROLLED DISSEM) 25X1C		
LATEST IMAGERY USED		NEGATION DATE (If required)
[REDACTED]		Not Required

INTRODUCTION

Mao-ming Thermal Power Plant Refinery is located approximately 15 nautical miles south of Mao-ming, within the Mao-ming Shale Oil Refinery which is under construction [REDACTED]



BASIC DESCRIPTION

The Mao-ming Thermal Power Plant Refinery is road and rail served and occupies a walled area of approximately 1,500 by 1,300 feet. The plant is coal operated, but will probably be fueled by petroleum when the adjacent refinery is completed.

Two boilers served by a masonry stack have been installed at the plant. The position of the stack indicates that two more boilers are planned. The boilers are of the outdoor type and thus require no boilerhouse. A covering had been constructed over the eastern boiler by [REDACTED] and over the western boiler [REDACTED]

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25X1D

[REDACTED] two outdoor-type turbogenerators located on a platform could be identified at the plant. The platform was first observed in [REDACTED] and included the eastern turbogenerator, turbogenerator cover storage area and the gantry crane. Two additions to the platform were completed by [REDACTED] encompassing the second and third turbogenerator areas respectively. The second turbogenerator was probably installed in [REDACTED]. The third turbogenerator will probably be installed as the third boiler is constructed.

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One transformer, connected to the control house by a buss system, was visible in the switching yard on [REDACTED]. Two circuits between the turbogenerator platform and the control house were also observed. One of the circuits was installed prior to [REDACTED].

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Water for boiler make-up or condenser cooling is supplied by one of the two canals which terminate in the southeastern portion of the plant. The boiler make-up water is probably treated at the water treatment facility prior to use.

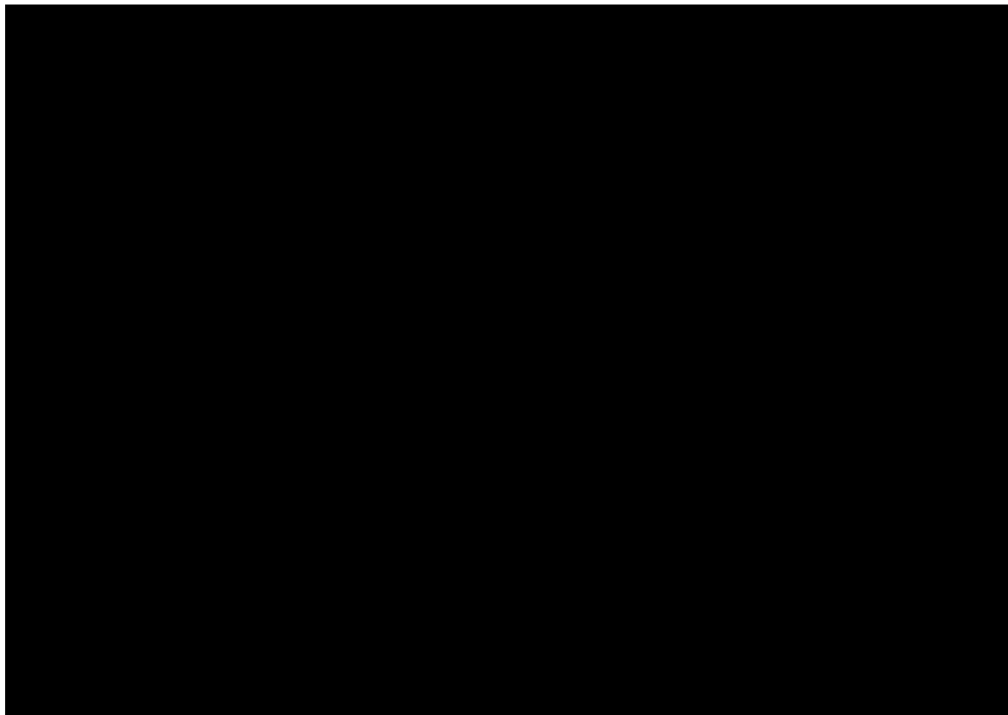
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A moderate amount of smoke was emanating from the stack on [REDACTED] indicating that the plant was in operation. No smoke was visible on [REDACTED].

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Key to Annotations

<u>Item No.</u>	<u>Description</u>	<u>Measurements (ft)</u>	<u>Remarks</u>
1	Switching yard		1 Transformer
2	Control house	180 x 40	
3	Generator platform area	[REDACTED]	25X1D
	Control section		
	Generator cover		
4	Boiler area	170 x 140	
	Boiler covers (2)	80 x 40 (each)	
	Flyash precipitator and coal bunker roof cover	170 x 60	
5	Coal off-loading and storage		
6	Water treatment facility		

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25X1D

REFERENCES



Maps

25X1A

ACIC. US Air Target Chart, Series 200, Sheet M0615-14HL, 3rd edition, Mar 67,
Scale 1:200,000 (SECRET NO FOREIGN DISSEM [REDACTED]
CONTROLLED DISSEM)

ACIC. USAF Operational Navigation Chart, Sheet J-11, 6th edition, Dec 66,
Scale 1:1,000,000 (UNCLASSIFIED)

Document

I. CIA. PIR 75016, Chinese Power Plants, Kuangtung Province, July 1966,
TCS 3974/66 (TOP SECRET RUFF)

Requirement

EXSUBCOM - BR-N/002-69

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